DDT Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	DDT, Polyclonal Antibody
Full Product Name	DDT (D-dopachrome tautomerase, Phenylpyruvate tautomerase II) (HRP)
Product Gene Name	anti-DDT antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Immunoaffinity chromatography.
Specificity	Recognizes human DDT. No crossreactivity with other proteins.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, store at 4 degree C for one month. Can also be aliquoted and stored frozen at -20 degree C for long term.
Molecular Weight	11,323 Da
OMIM	602750
3D Structure	ModBase 3D Structure for P30046
Immunogen	E. coli-derived human DDT recombinant protein (Position: M1-L118).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-DDT antibody	Antibodies; Enzymes; Decarboxylase
Applications Tested/Suitable for anti-DDT antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC) Paraffin, Immunocytochemistry (ICC)
Application Notes for anti-DDT antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-DDT antibody	MBS6404252 is an antibody targeting DDT. Also known as DDT (D-dopachrome tautomerase, Phenylpyruvate tautomerase II) (HRP). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-DDT antibody	1. Esumi, N., Budarf, M., Ciccarelli, L., Sellinger, B., Kozak, C. A., Wistow, G.Conserved gene structure and genomic linkage for D-dopachrome tautomerase (DDT) and MIF.Mammalian Genome 9: 753-757, 1998. 2. Nishihira, J., Fujinaga, M., Kuriyama, T., Suzuki, M., Sugimoto, H., Nakagawa, A., Tanaka, I., Sakai, M.Molecular cloning of human D-dopachrome tautomerase cDNA: N-terminal proline is essential for enzyme activation.Biochem. Biophys. Res. Commun. 243: 538-544, 1998.
Other Notes	Small volumes of anti-DDT antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DDT. It may not necessarily be applicable to this product.

NCBI GI #	145386531
NCBI GeneID	1652
NCBI Accession #	NP_001077861.1
UniProt Primary Accession #	P30046
UniProt Secondary Accession #	O00774; O60787; Q13534; B7Z522
UniProt Related Accession #	P30046
GenBank Nucleotide #	NM_001084392.1
NCBI Official Full Name	D-dopachrome decarboxylase
NCBI Official Synonym Full Names	D-dopachrome tautomerase
NCBI Official Symbol	DDT
NCBI Official Synonym Symbols	DDCT
UniProt Protein Name	D-dopachrome decarboxylase
UniProt Synonym Protein Names	D-dopachrome tautomerase; Phenylpyruvate tautomerase II
Protein Family	D-dopachrome decarboxylase
UniProt Gene Name	DDT
UniProt Entry Name	DOPD_HUMAN
NCBI Protein Information	D-dopachrome decarboxylase; phenylpyruvate tautomerase II
NCBI Summary for DDT	D-dopachrome tautomerase converts D-dopachrome into 5,6-dihydroxyindole. The DDT gene is related to the migration inhibitory factor (MIF) in terms of sequence, enzyme activity, and gene structure. DDT and MIF are closely linked on chromosome 22. [provided by RefSeq, Jul 2008]
UniProt Comments for DDT	DDT: Tautomerization of D-dopachrome with decarboxylation to give 5,6-dihydroxyindole (DHI). Belongs to the MIF family. Protein type: EC 4.1.1.84; Lyase Chromosomal Location of Human Ortholog: 22q11.23 Cellular Component: cytoplasm Molecular Function: D-dopachrome decarboxylase activity; dopachrome isomerase activity Biological Process: melanin biosynthetic process
Research Articles on DDT	**1.** Both p53 wildtype and mutant human lung adenocarcinoma tumors rely on MIF family members for maximal cell growth and survival.
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